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OSI LAYERS

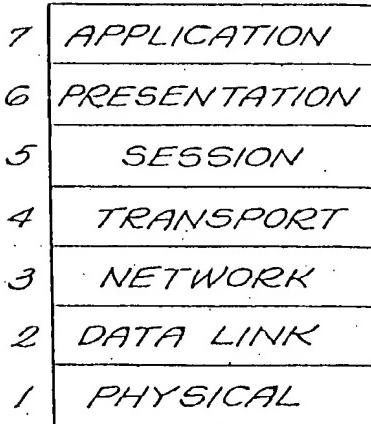


FIG. 1
(PRIOR ART)

IP ADDRESS, 10

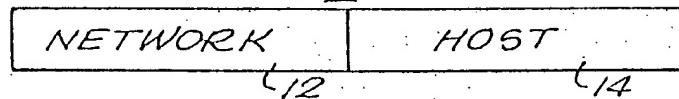


FIG. 2
(PRIOR ART)

ADDRESS, 407 PREFIX LENGTH, 427 INTERFACE, 447

30~	1.0.0.0	8	C
32~	1.2.3.0	24	B
34~	1.2.4.0	24	A
36~	1.2.0.0	16	A

FIG. 4A
(PRIOR ART)

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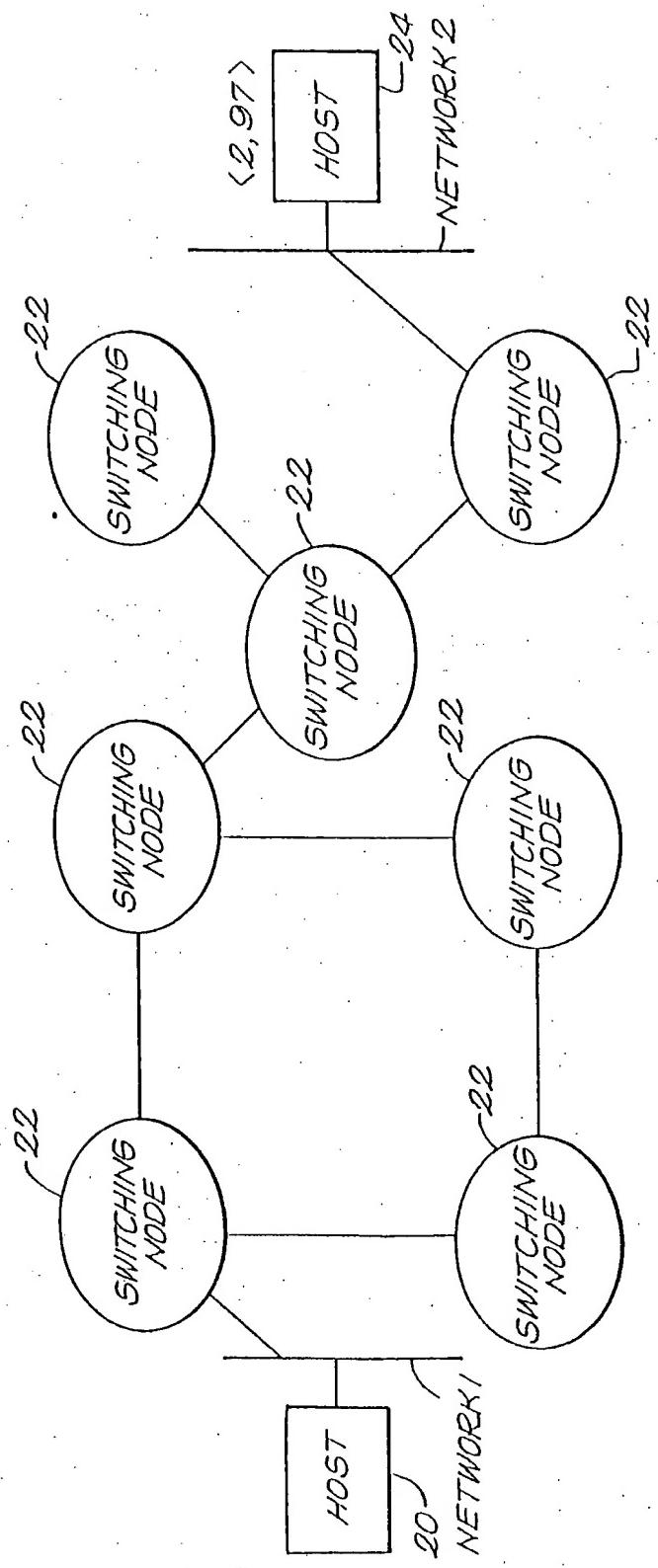


FIG. 3
(PRIOR ART)

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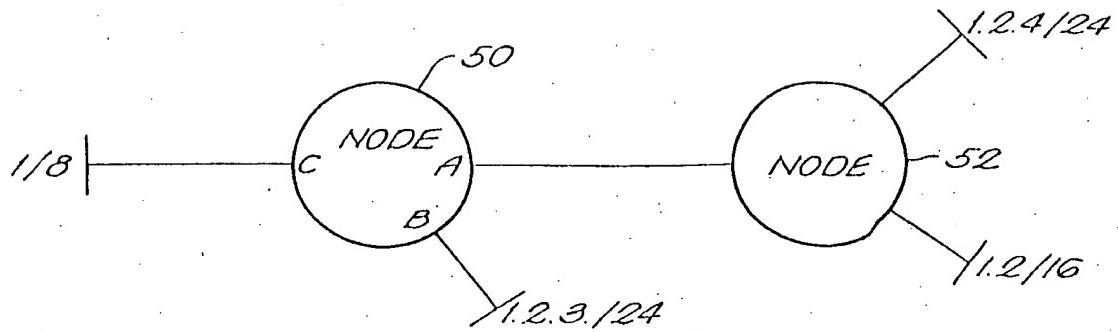


FIG. 4B
(PRIOR ART)

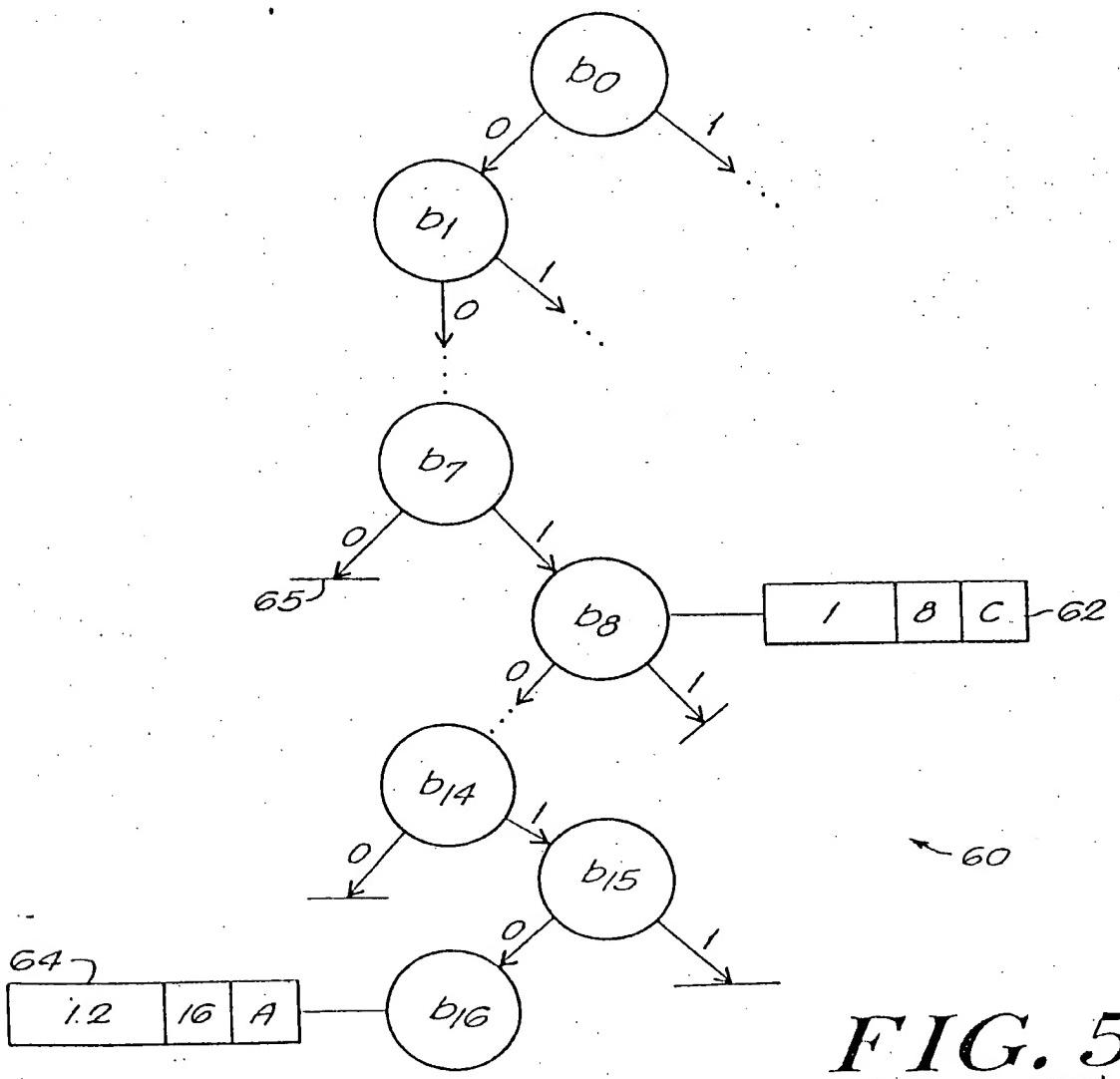


FIG. 5
(PRIOR ART)

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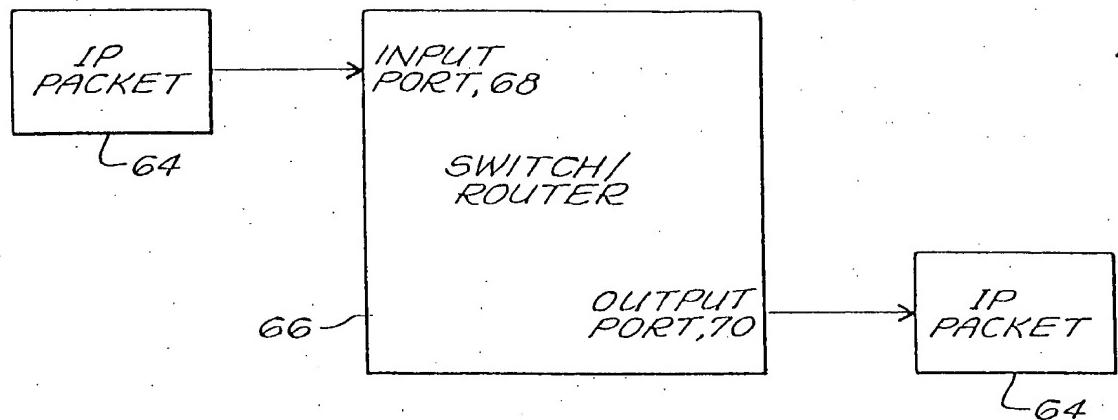


FIG. 6

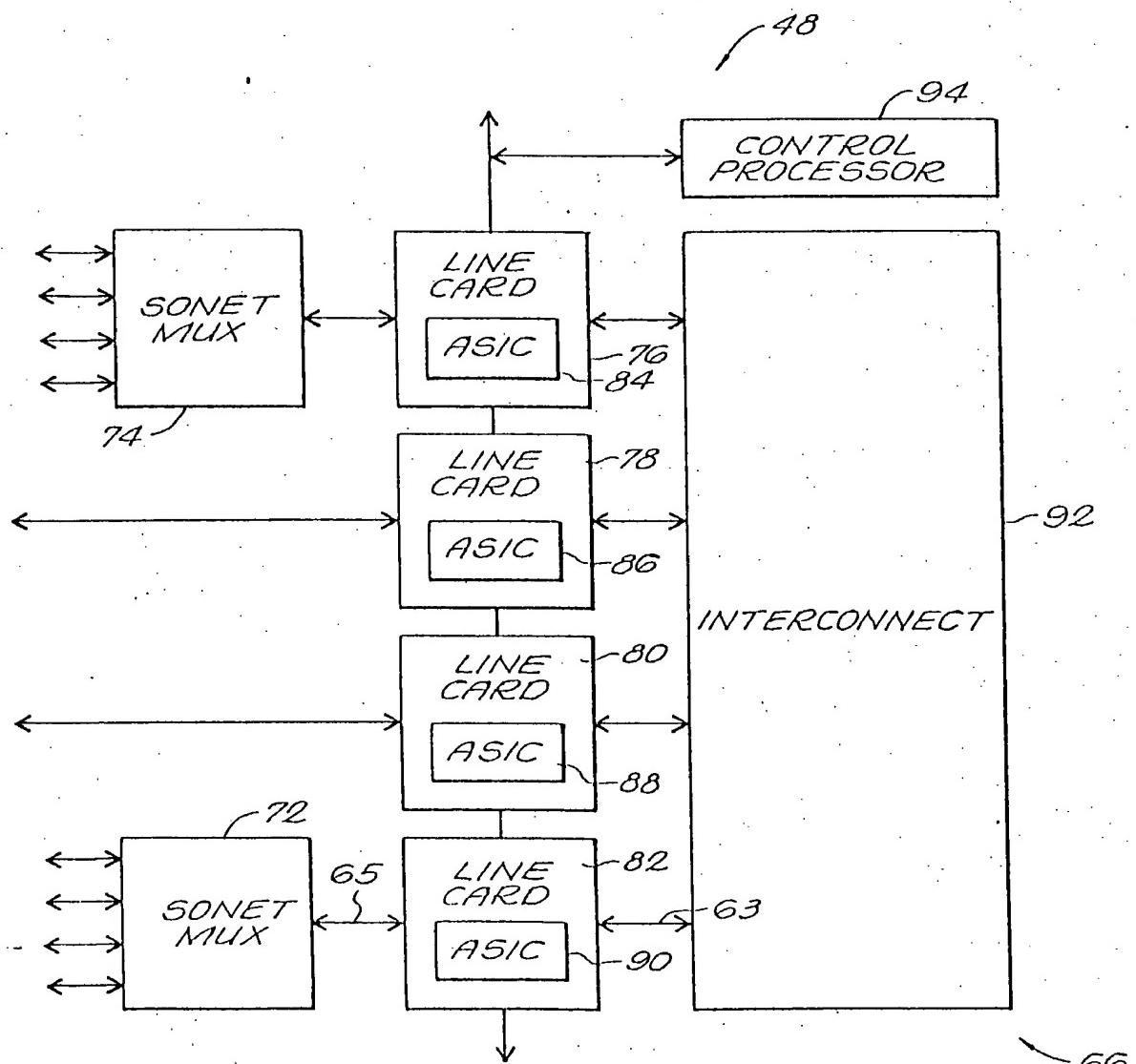


FIG. 7

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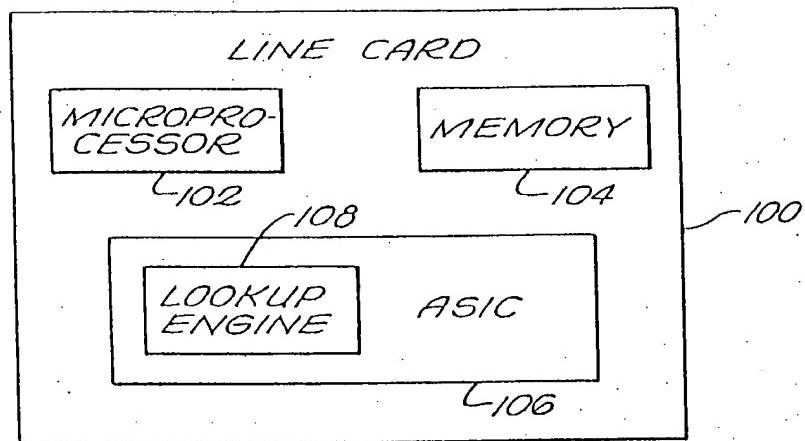


FIG. 8

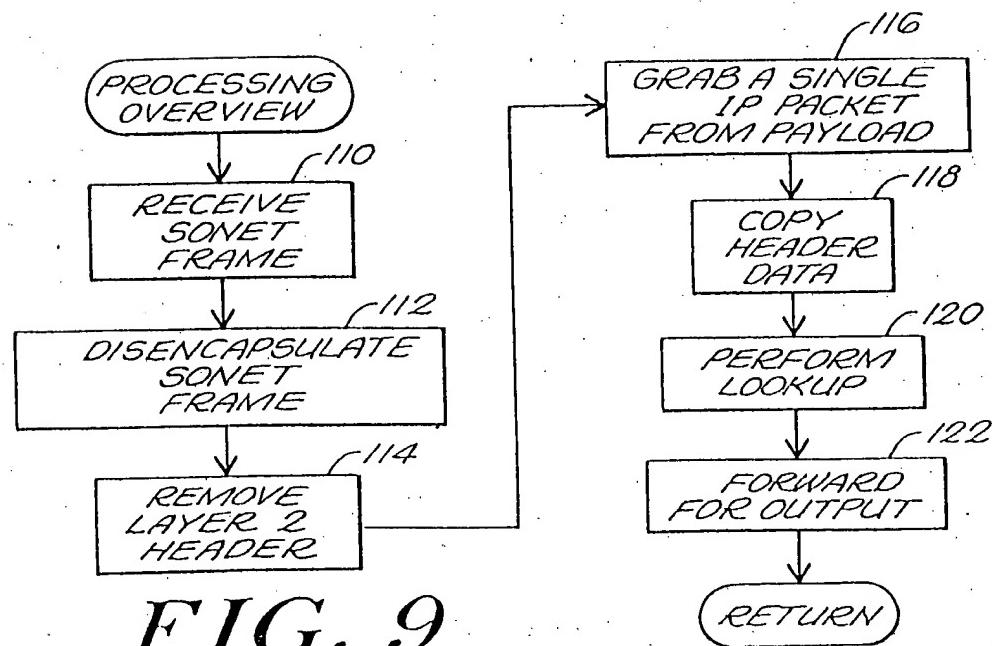


FIG. 9

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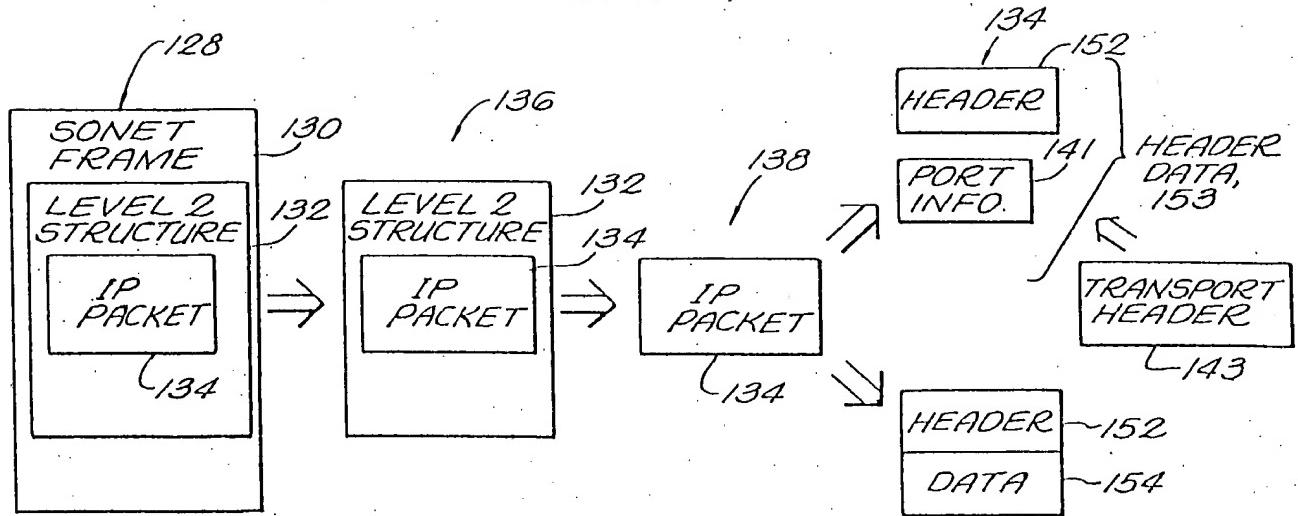


FIG. 10

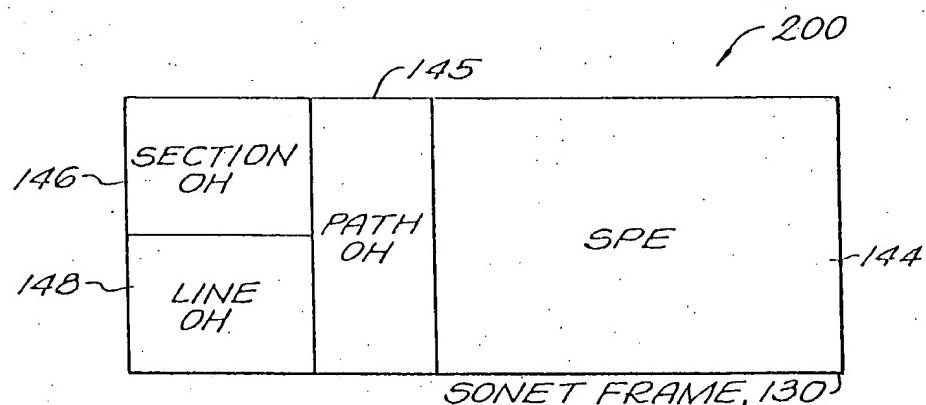


FIG. 11

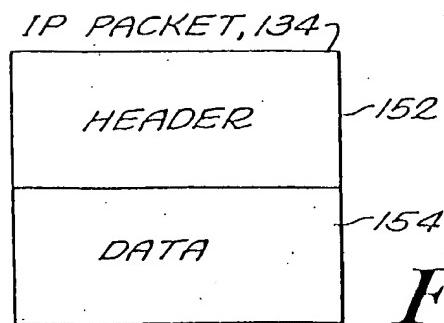


FIG. 12

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HEADER DATA, 153		
160~	VERSION	IHL
166~		DIFFERENTIAL SERVICES
168~		TOTAL LENGTH
170~	FLAGS	172 FRAGMENT OFFSET
174~	TIME TO LIVE	PROTOCOL
178~		HEADER CHECKSUM
180~		SOURCE ADDRESS
182~		DESTINATION ADDRESS
184~		SOURCE PORT
186~		DESTINATION PORT

FIG. 13

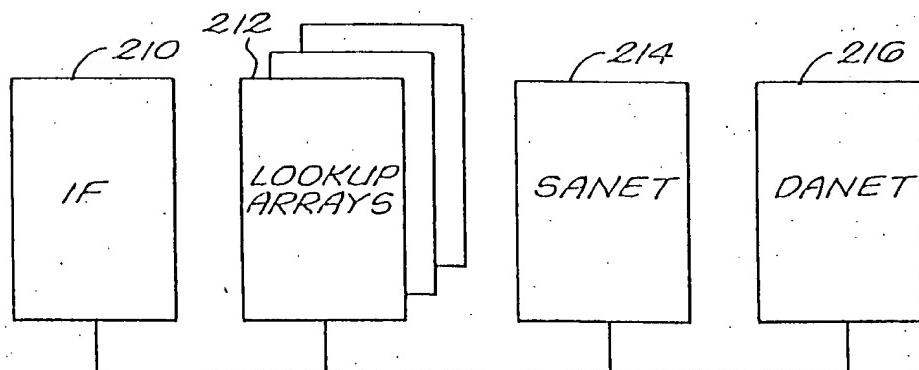


FIG. 14

INTERFACE STRUCTURE, 210

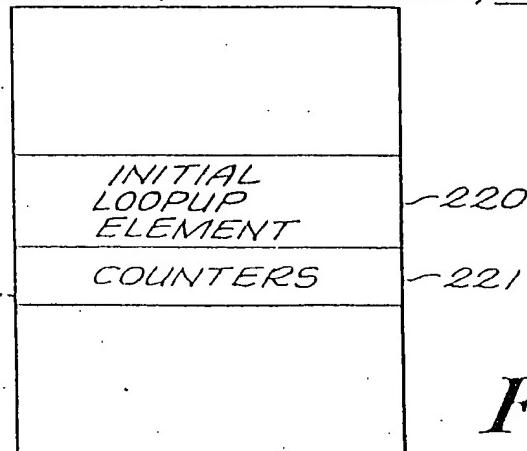


FIG. 15

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DANET STRUCTURE, 222

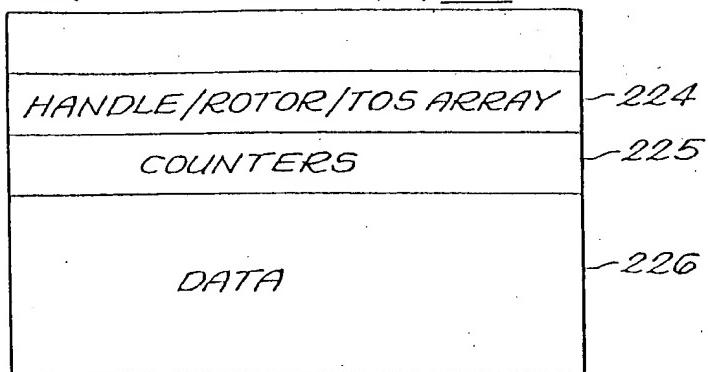


FIG. 16

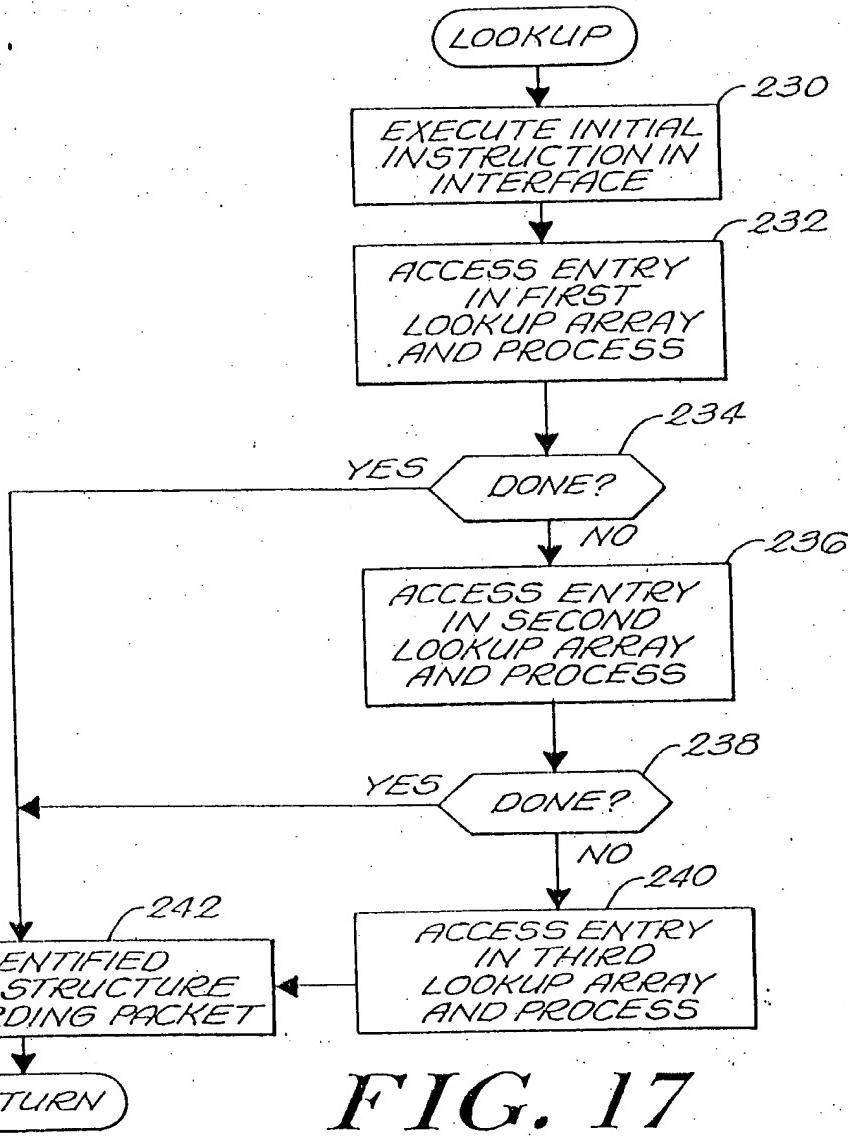


FIG. 17

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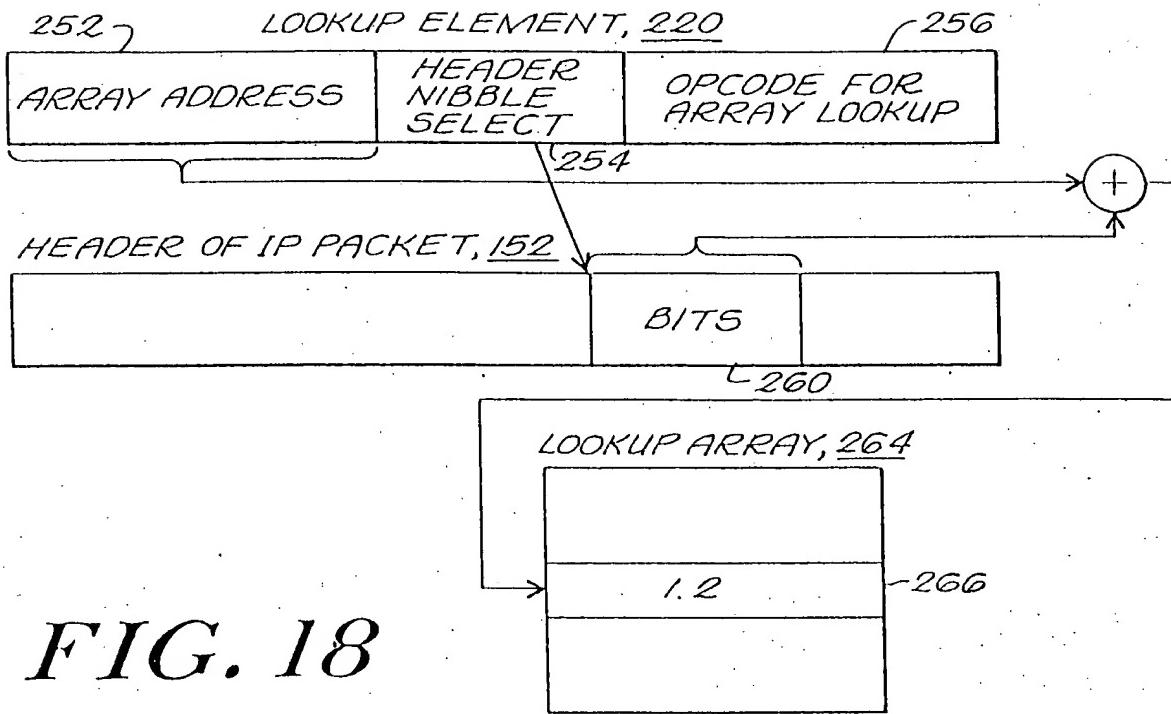


FIG. 18

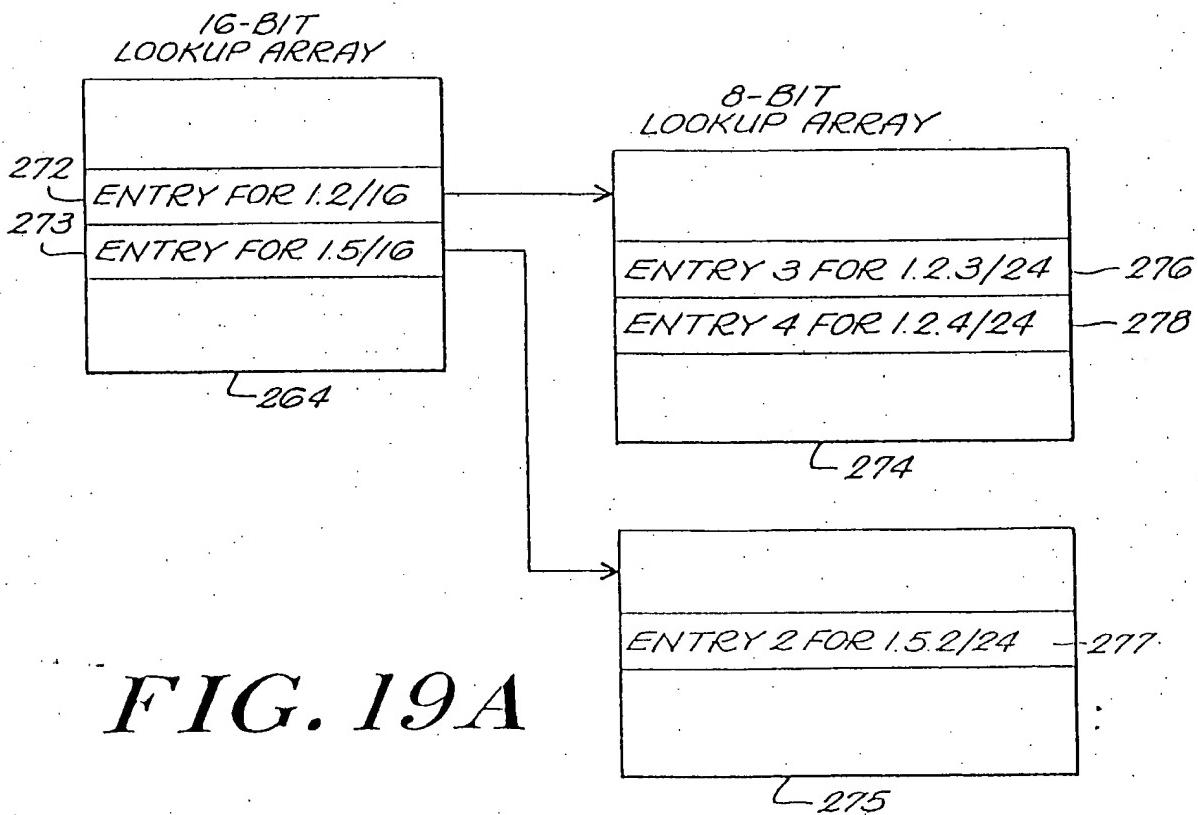


FIG. 19A

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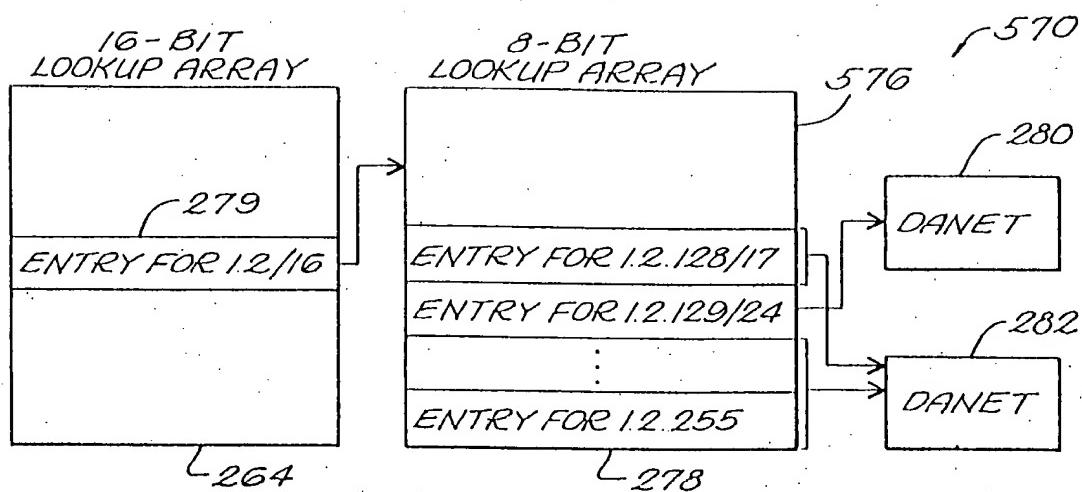


FIG. 19B

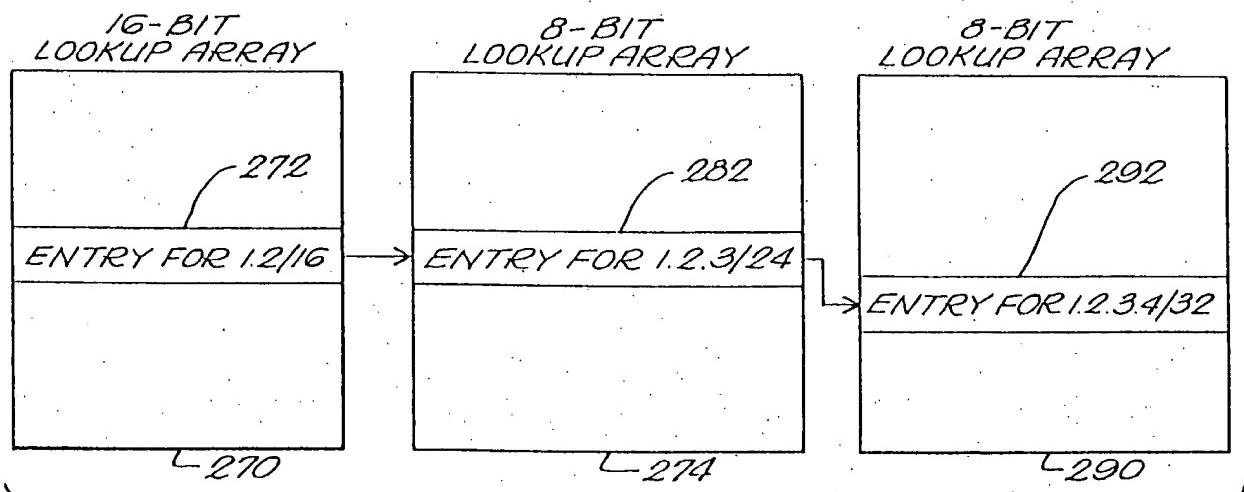


FIG. 19C

LOOKUP ELEMENT, 300

ARRAY ADDRESS	HEADER NIBBLE SELECT	OPCODE
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FIG. 20

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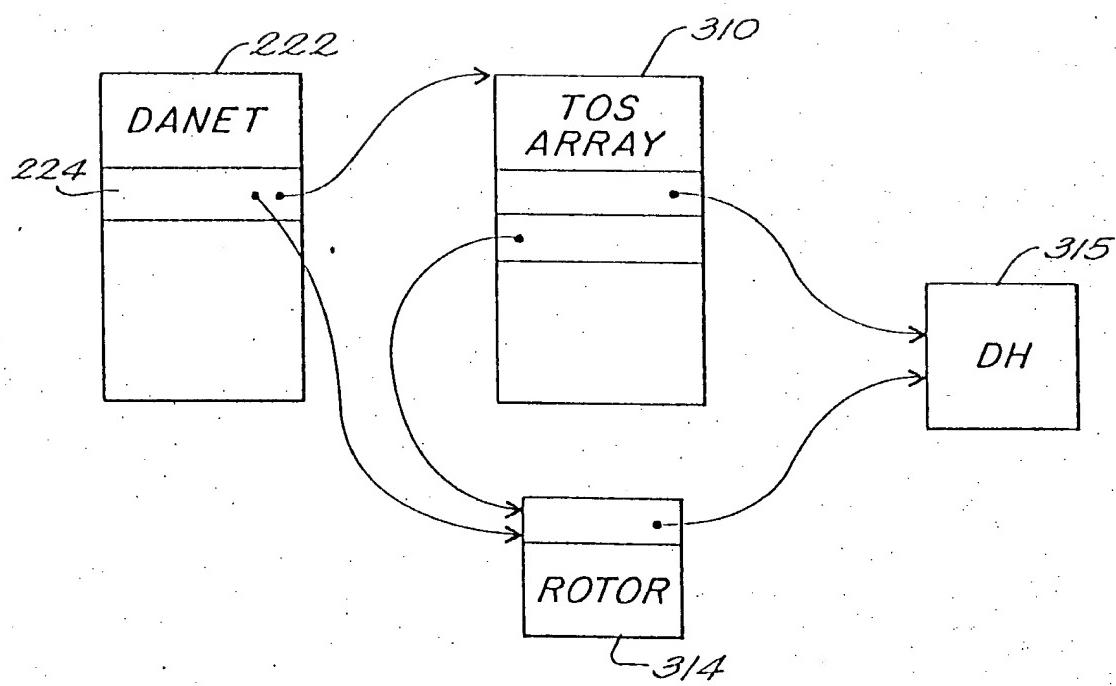


FIG. 21